

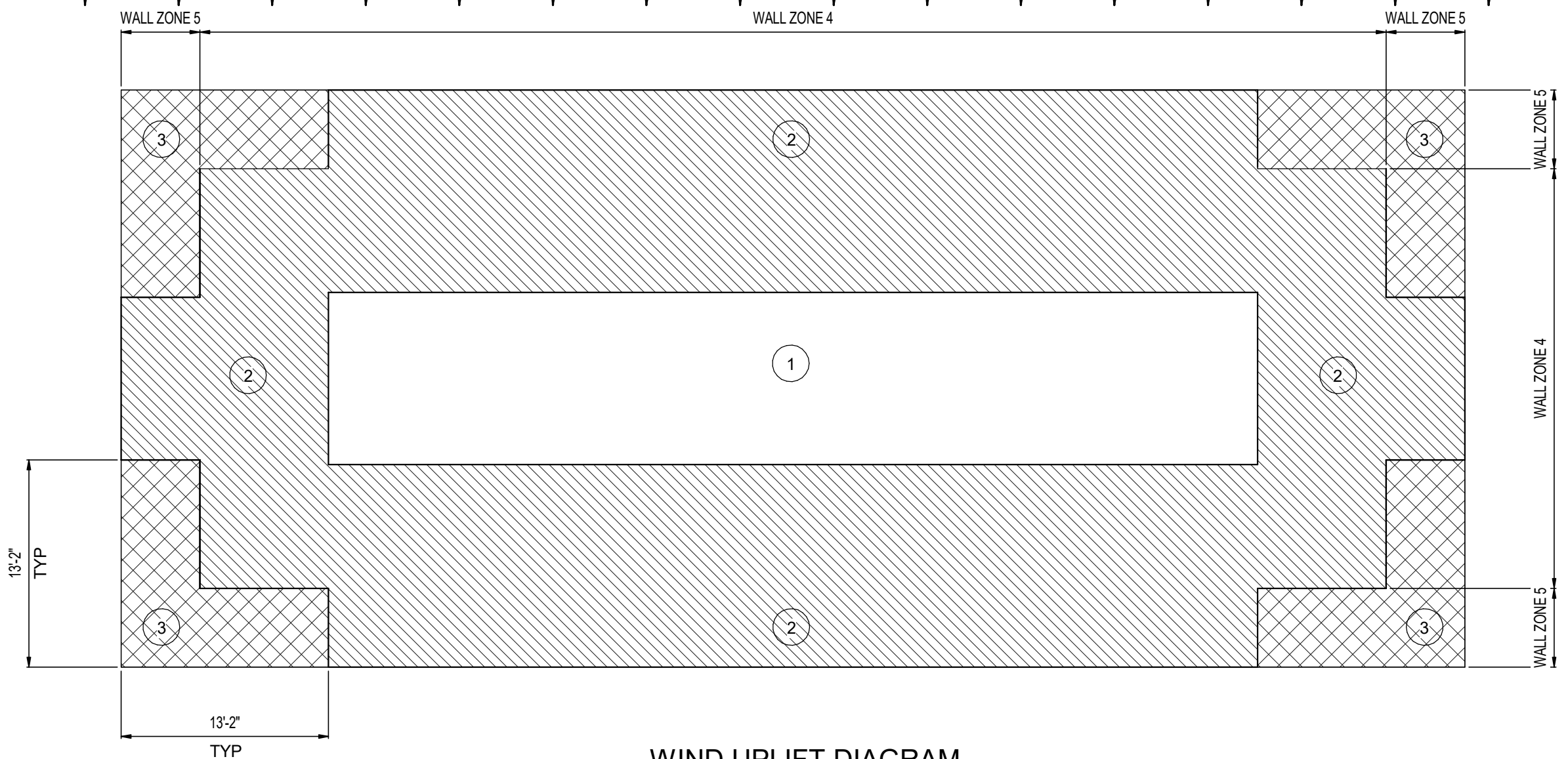
NOTES:

1. T/CMU WALL @ JOIST BEARING: 72.67'.
2. CMU WALL PARALLEL w/ JOISTS: 73.20'.
3. T/JOIST BEARING ELEV: 72.67'
4. MAXIMUM JOISTS SPACING SHALL BE 5'-0" ON CENTER.
5. FRAME ALL OPENINGS LARGER THAN 12" w/ L4x4x5/8".
6. BRIDGING SHOWN IS MINIMUM REQUIRED. ADDITIONAL BRIDGING MAY BE REQUIRED BY JOIST MANUFACTURER.
7. METAL GALVANIZED DECK SHALL BE VULCRAFT 1.5 C18 OR EQUIVALENT. ATTACH TO ALL JOISTS, BEAMS AND PERIMETER EDGE ANGLES WITH #12 TEK HHW FASTENERS (OR EQUIVALENT) USING 36/7 PATTERN. ((1) SCREW IN EACH FLUTE) OR 6" MAXIMUM ON CENTER. USE (4) #10 TEK HHW FASTENERS BETWEEN SUPPORTS. ATTACH TO GROUTED CMU OR CONCRETE USING 1/4" DIAMETER x 2 1/2" TAPCON FASTENERS @ 4" ON CENTER.
8. JOIST SEATS SHALL BE 5 7/8" TO ACCOUNT FOR CENTER OF JOIST SEAT BEING AT THE CENTER OF THE WALL.
9. ┘ W.S. = WALL STEP

WALL PRESSURES			
ZONE	EFFECTIVE AREA (SF)	PRESSURE (PSF)	
		POS	NEG
4	10	26.4	-28.7
	20	25.2	-27.5
	50	23.7	-25.9
	100	22.5	-24.7
	200	21.3	-23.5
5	500	19.7	-21.9
	10	26.4	-35.4
	20	25.2	-33.0
	50	23.7	-29.9
	100	22.5	-27.5
	200	21.3	-25.1
	500	19.7	-21.9

ROOF PRESSURES			
ZONE	EFFECTIVE AREA (SF)	PRESSURE (PSF)	
		POS	NEG
1	10	11.9	-45.4
	20	11.2	-42.4
	50	10.2	-38.4
	100	9.5	-35.4
	200	9.5	-32.4
2	500	9.5	-28.4
	10	11.9	-59.8
	20	11.2	-56.0
	50	10.2	-50.9
	100	9.5	-47.0
3	200	9.5	-43.2
	500	9.5	-38.1
	10	11.9	-81.5
	20	11.2	-73.8
	50	10.2	-63.7
	100	9.5	-56.0
	200	9.5	-48.2
	500	9.5	-38.1

- WIND NOTES:
1. WALL SECTION 5 EXTENDS FROM THE BUILDING CORNERS A DISTANCE OF 3'-8". WALL SECTION 4 IS THE REMAINDER OF THE WALL
 2. COMPONENT AND CLADDING PRESSURES SHOWN ABOVE ARE ALLOWABLE PRESSURES AND MAY NOT BE REDUCED.



WIND UPLIFT DIAGRAM

ISSUED FOR BID

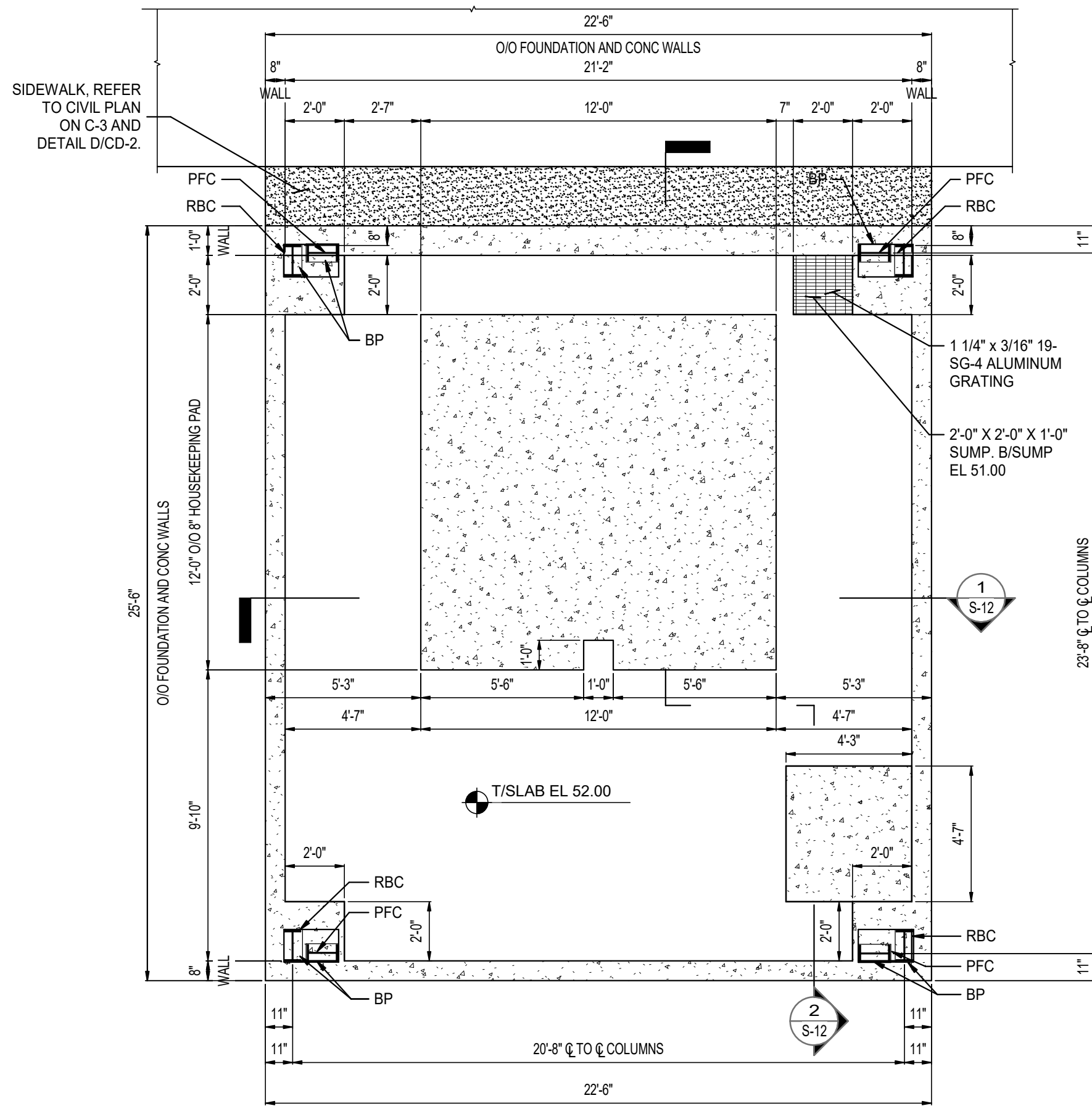
M

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Surveyors LB 000793

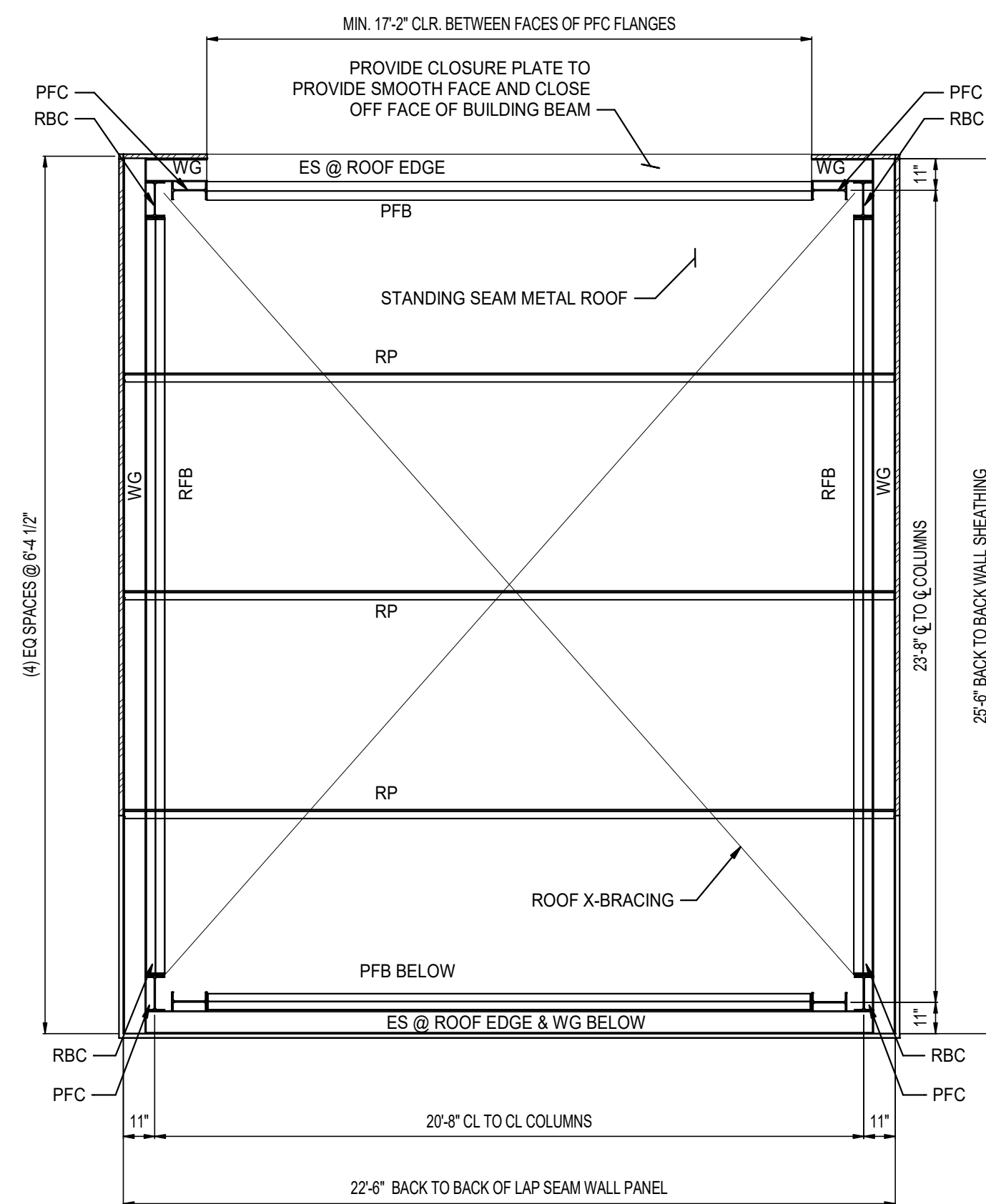
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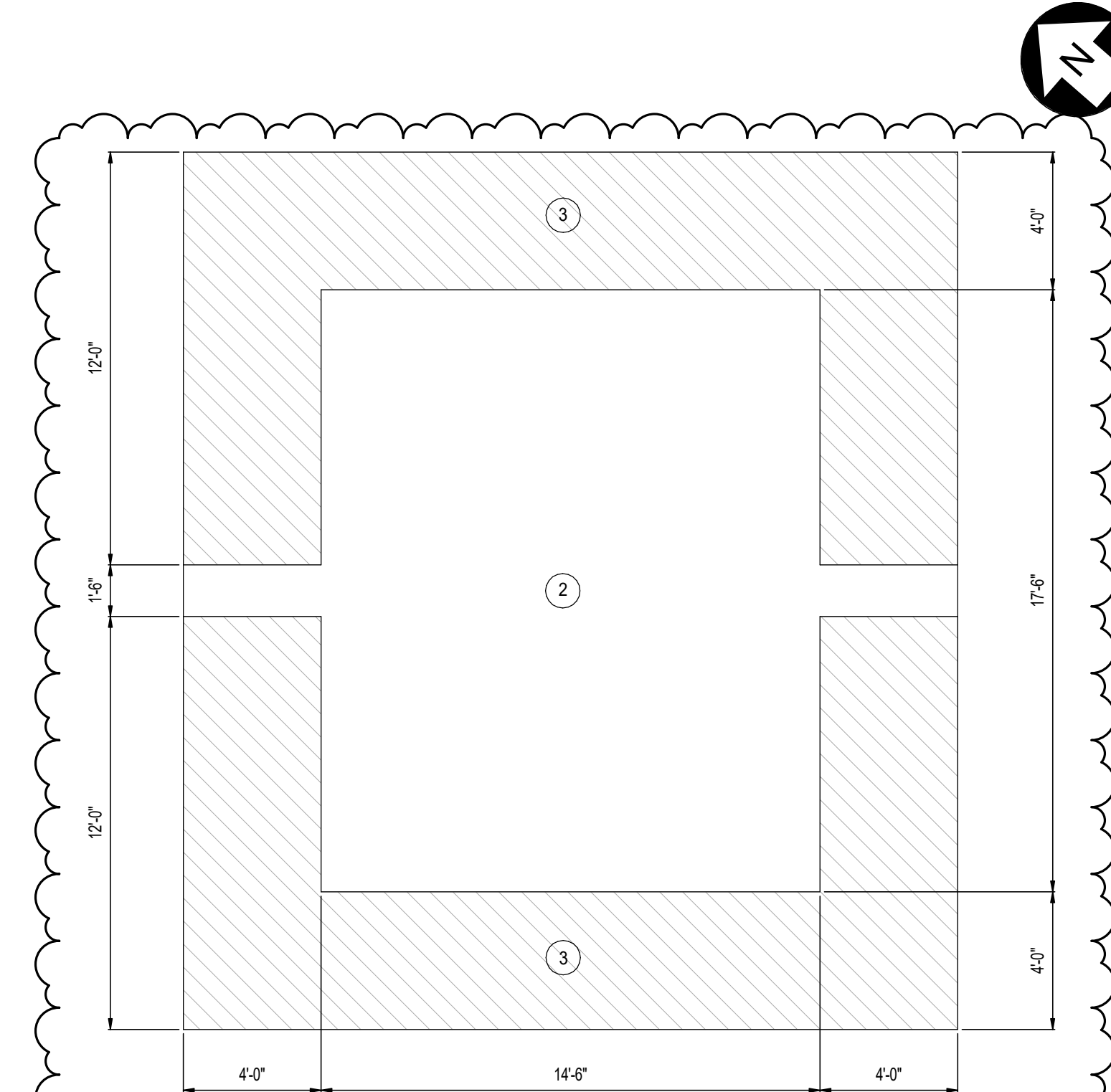
NO. SHEETS 105		PROJ. NO.: 502398244		TWIN CREEKS RECLAIMED WATER				DESIGNER: C. LYNER		DESIGN ENGINEER		NO.		BY		DATE		REVISIONS	
SHEET NO. 40		DATE: NOV 2020		RE- PUMP STATION IMPROVEMENTS - PHASE II				DRAWN BY: J. EARL		DATE: NOV 2020		CHAD E. LYNER, P.E.		5.					
DRAWING NO. S-7		SCALE: AS NOTED		ROOF FRAMING PLAN				CHECKED BY: B. PERRY		FLORIDA REGISTRATION NO.		2.							
								DATE: NOV 2020		66277		1.		MM		DEC 2020		ADDENDUM NO. 1	



FOUNDATION AND SLAB PLAN
1/4" = 1'-0"



ROOF PLAN
1/4" = 1'-0"



1. WALL SECTION 5 EXTENDS FROM THE CORNERS OF THE BUILDING 3'-0".
THE BALANCE OF THE WALL SECTION IS ZONE 4.
2. COMPONENT AND CLADDING PRESSURES SHOWN BELOW ARE ALLOWABLE
STRESS PRESSURES AND MAY NOT BE REDUCED.

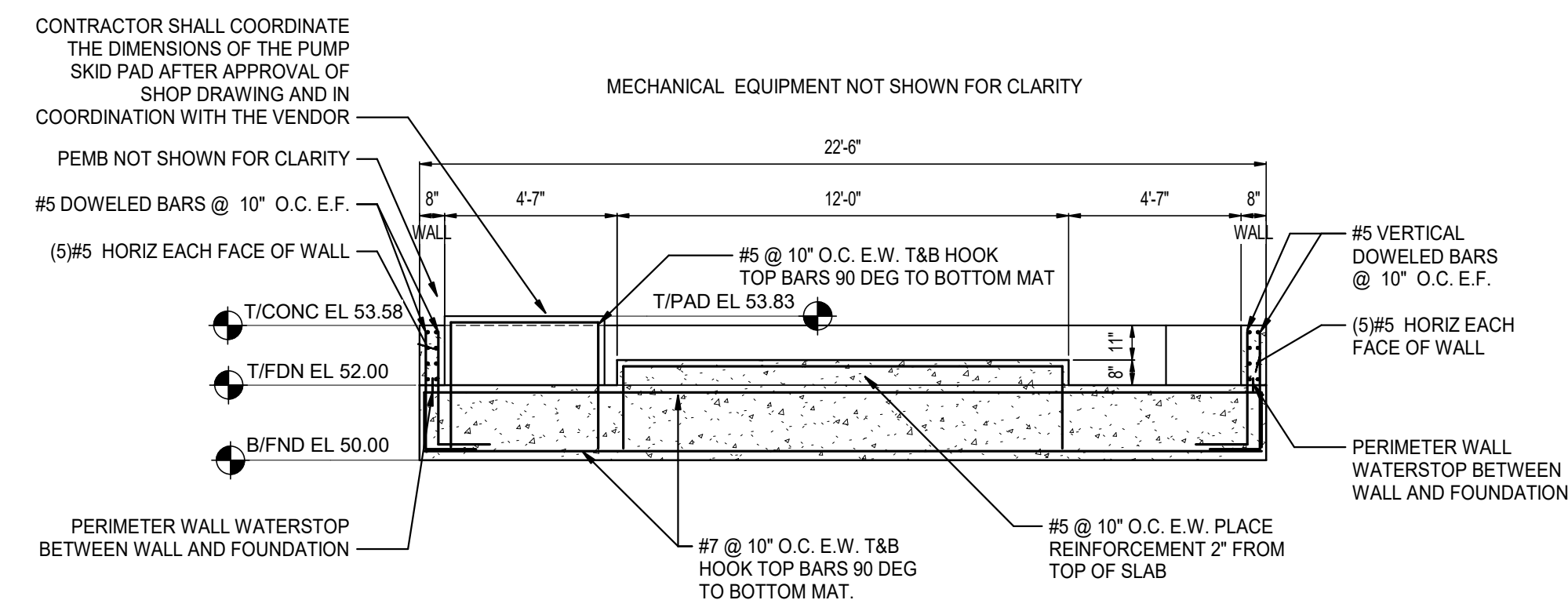
ROOF UPLIFT PLAN
1/4" = 1'-0"

ROOF PRESSURES			
ZONE	EFFECTIVE AREA (FT²)	PRESSURE (PSF)	
		POSITIVE	NEGATIVE
1	10	N/A	N/A
	20	N/A	N/A
	50	N/A	N/A
	100	N/A	N/A
2	10	20.5	-67.5
	20	19.8	-63.7
	50	18.9	-58.7
	100	18.1	-55.0
3	10	20.5	-88.9
	20	19.8	-81.3
	50	18.9	-71.3
	100	18.1	-63.7

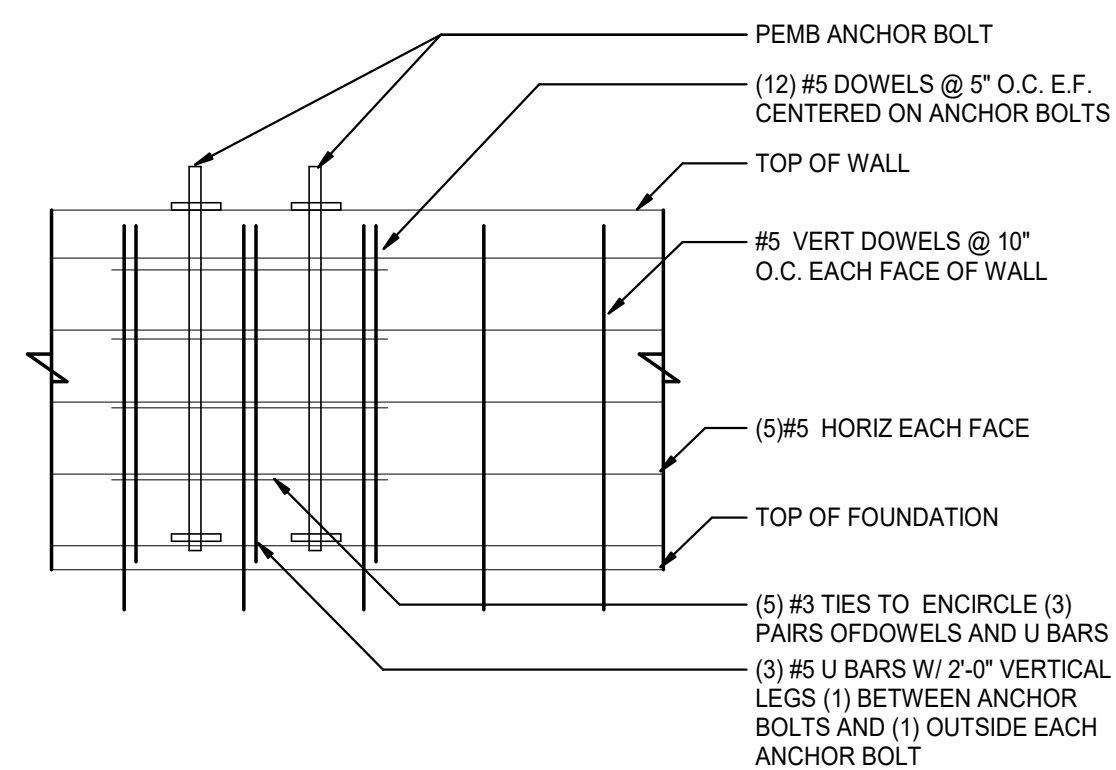
WALL PRESSURES			
ZONE	EFFECTIVE AREA (FT²)	PRESSURE (PSF)	
		POSITIVE	NEGATIVE
4	10	34.4	-36.5
	20	33.2	-35.3
	50	31.7	-33.8
	100	30.6	-32.7
5	10	34.4	-42.9
	20	33.2	-40.6
	50	31.7	-37.6
	100	30.6	-35.3

SODIUM HYPOCHLORITE =
PARTIALLY ENCLOSED BUILDING

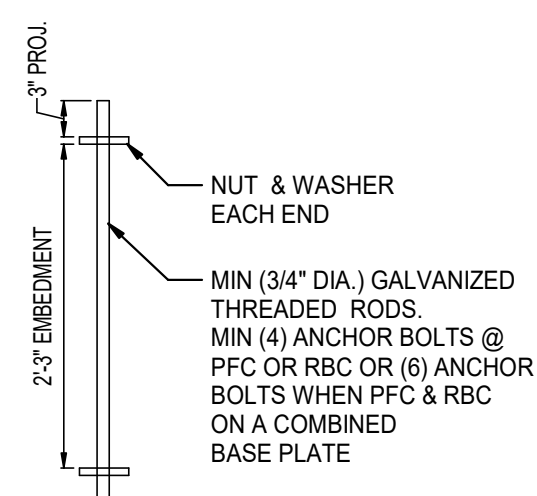
ROOF AND WALL PRESSURES



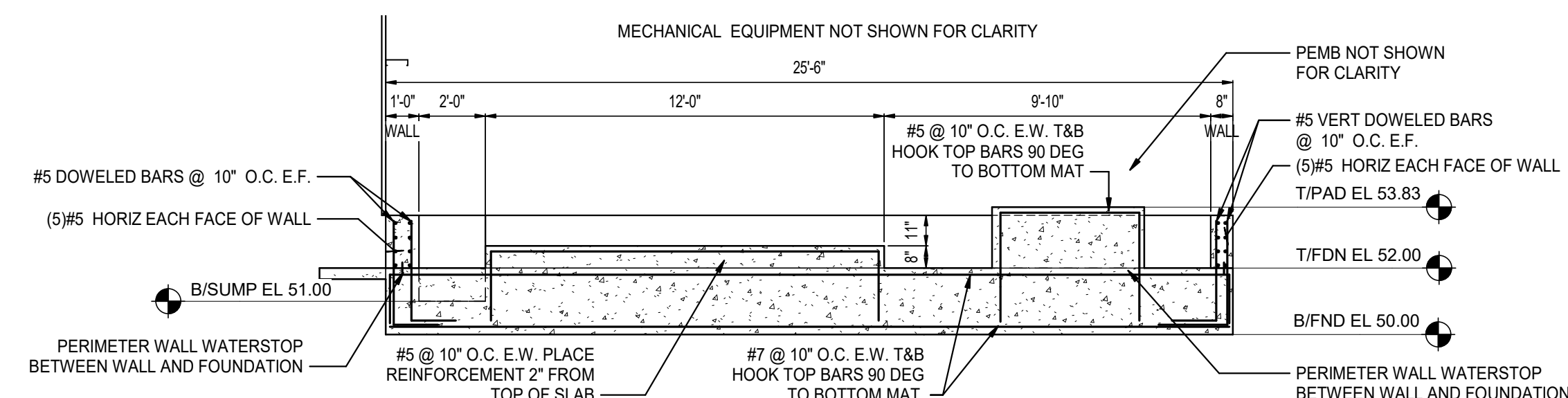
1 LATERAL FOUNDATION SECTION
- 1/4" = 1'-0"



WALL REINFORCING @ ANCHOR BOLTS
3/4" = 1'-0"



ANCHOR BOLT DETAILS
3/4" = 1'-0"



2 LONGITUDINAL FOUNDATION SECTION
- 1/4" = 1'-0"

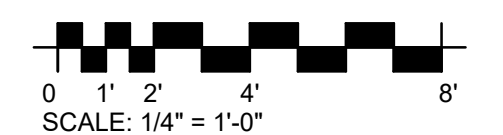
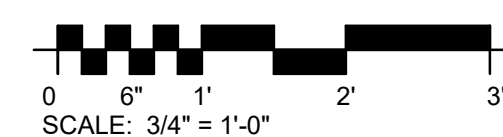
PRE-ENGINEERED METAL BUILDING (PEMB) LEGEND
1. BEA = BASE EDGE ANGLE

1. BEA = BASE EDGE ANGLE
2. BP = BASE PLATE
3. ES = EAVE STRUT
4. LSWP = LAP SEAM WALL PANEL
5. PFB = PORTAL FRAME BEAM
6. PFC = PORTAL FRAME COLUMN
7. RBC = RIGID BENT COLUMN
8. RFB = RIGID FRAME BENT
9. RP = ROOF PURLIN
10. SSMR = STANDING SEAM METAL ROOF. REFER TO SECTION 13419.
11. WG = WALL GIRT
12. REFER TO SECTION 09900 FOR ROOFING & SIDING GALVANIZING REQUIREMENTS.
13. REFER TO SECTION 09900 FOR KYNAR FINISH ON ROOFING.

PEMB LEGEND

ALL INTERIOR CONCRETE SURFACES OF THE SODIUM HYPOCHLORITE CONTAINMENT STRUCTURE SHALL BE COATED. COATING SHALL BE APPLIED ON THE SLAB AND TANK AND PUMP PADS FROM THE TOP OF FOUNDATION TO THE TOP EDGE OF THE CONCRETE WALL. REFER TO SECTION 09900 FOR COATING REQUIREMENTS.

PEMB LOADING CRITERIA



ISSUED FOR BID

NO. SHEETS 105		PROJ. NO.: 502398244	<div>TWIN CREEKS RECLAIMED WATER RE- PUMP STATION IMPROVEMENTS - PHASE II</div> <div>SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM PLAN & DETAILS</div> <div></div>	DESIGNER: C. LYNER		DESIGN ENGINEER	NO.	BY	DATE	REVISIONS	
SHEET NO. 45		DATE: NOV 2020		DRAWN BY: J. EARL							6.
		SCALE: AS NOTED		CHECKED BY: B. PERRY							4.
				DATE: NOV 2020							2.
DRAWING NO. S-12											1.
					MM	DEC 2020	ADDENDUM NO. 1				